

## **EXHIBIT 3**



LANDFILL TECHNOLOGIES OF ARECIBO, LLC

**Surface Methane Gas Monitoring at  
the Arecibo Municipal Solid Waste Landfill**

**Quarterly Event Report**

**Prepared by:  
Landfill Technologies of Arecibo, LLC.**

**April to June 2020**

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## **Introduction**

Landfill Technologies of Arecibo, LLC (LTA) has conducted on April, May and June of 2020 the surface and perimeter methane gas monitoring event at the Arecibo Municipal Solid Waste Landfill as part of the operation of the Gas Collection and Control System (GCCS). This event is also performed as part of the state and federal agency's for environment requirements for solid waste landfills.

The surface methane gas monitoring was performed by Landfill Technologies of Arecibo, LLC (LTA) personnel during June 25<sup>th</sup> and 26<sup>th</sup>, 2020 according to the following rule of the "Enmiendas al Reglamento para el Control de la Contaminación Atmosférica de la Junta de Calidad Ambiental para cumplir con los requisitos para Planes Estatales de la Sección 111 (d) de la Ley Federal de Aire Limpio para Implantar las Guías de Emisiones para Sistemas de Relleno Sanitario". This monitoring consisted of obtaining readings with a portable instrument (TVA1000B) surface detector, please refer to Appendix A for specifications of instrument) from landfill surface, groundwater monitoring wells, gas collection system and ambient monitoring.

## **Objectives**

The objective of this event (the surface methane gas monitoring) is to ensure that the concentration of methane (CH<sub>4</sub>) generated by the landfill does not exceed the lower explosive limit (LEL) of methane at the facility. The LEL for this monitoring is 500 ppm (parts per million) or 25%. If the personnel of LTA detect any release that exceeds the LEL it will require notification to the owner or operator and an expansion of the monitoring program to determine the vertical and horizontal extent of the release.

## **Description**

The surface methane operational standards consist of monitoring the surface emissions of methane along the entire perimeter of the collection area and along a serpentine patten 30 meter apart (or site specific established spacing) for each collection area using a portable surface detector (TVA1000B – Appendix A).

## **Sampling Locations and Results**

Landfill Technologies of Arecibo, LLC has created samplings locations at the Arecibo Municipal Solid Waste Landfill site where the surface emission readings have been collected. LTA presents the sampling locations at Appendix B. These readings were collected with the portable surface detector (TVA1000B) and are presented in Appendix C.

## **Conclusions and Recommendations**

The surface emissions readings were performed for April, May, and June of 2020 monitoring event from the Arecibo Municipal Solid Waste Landfill. This monitoring is part of conclusions quarterly monitoring program aimed to detect abnormal gas release at the landfill. During this event of monitoring the active area (area where the waste was deposited) was located at East side of the landfill. The LTA personnel inspect the area and there were no cracks that present a hazard to the surface.

The results of the surface emission monitoring for April, May and June of 2020 events by LTA personnel indicates that during that period no sampling point monitored exceed the LEL for methane which means that the landfill location does not represent a high risk of explosiveness.



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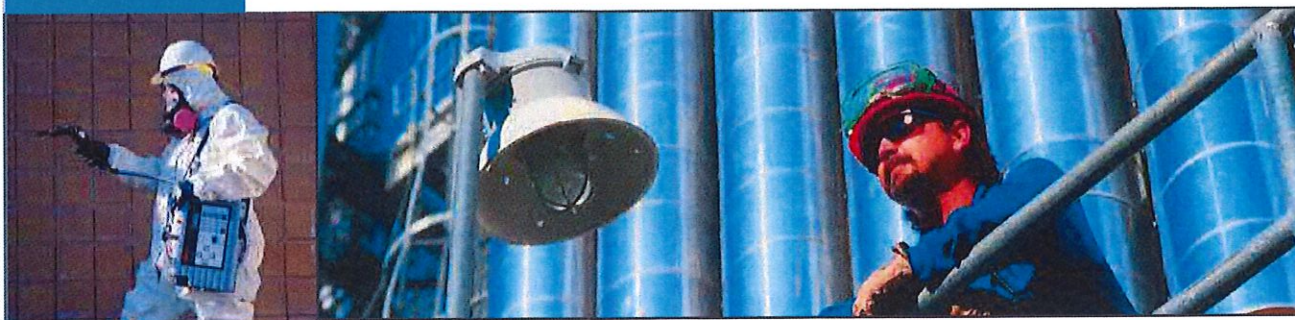
## **APPENDIX A**

Thermo Scientific Portable Toxic Analyzer – TVA1000B  
Surface Emission Monitor Specifications

**Thermo Scientific**  
**TVA1000B**  
**Toxic Vapor Analyzer**



**The Only Portable Intrinsically Safe Dual PID/FID Analyzer**



## Portable Toxic Vapor Analyzer

The Thermo Scientific TVA1000B is the only over-the-shoulder portable vapor analyzer that offers both PID (Photo Ionization Detection) and FID (Flame Ionization Detection) in a single, easy-to-use instrument. The ability to utilize both technologies in this field proven instrument provides benefits in reduced weight and a single user interface. The user can easily monitor and log inorganic and organic vapors simultaneously.

### FID Detection

Users can measure a wide variety of organic vapors over an impressive dynamic range (0-50,000 ppm), monitoring some compounds that the PID will not detect. The flame ionization detector operates by breaking hydrocarbon bonds and is not limited by a low ionization potential of the molecule.

### Simultaneous FID/PID Detection

No other instrument offers both Photo Ionization and Flame Ionization Detection operating simultaneously in a single portable vapor analyzer. Dual detection eliminates the time, expense and trouble of purchasing and maintaining two separate analyzers.

With PID detection, the user has not only the ability to monitor for organic compounds, but also can detect many inorganic compounds. Some compounds detected by PID and not FID are ammonia, carbon disulfide, carbon tetrachloride, formaldehyde, and hydrogen sulfide. The PID also has the advantage of not requiring fuel or air to operate. In anaerobic environments, the TVA1000B PID can be used.

## Key Features

- Simultaneous FID/PID or Single FID detector(s)
- Portable and lightweight
- Multiple response factors and curves
- Multi-point calibration
- On-board datalogging
- 8 hour battery life

## Probe Options

### Standard Probe

Display measurement values on a 4-character LCD, with measurement units displayed on %, ppm, or ppb. Additionally, a bar graph indicator provides an indication of concentration level. Function keys allow selection of analyzer functions.

### Enhanced Probe

Originally designed for Fugitive Emissions monitoring, the enhanced probe has a larger display area than the basic probe. This provides a display of up to 6 lines x 20 characters, plus a double height concentration value. It displays all the same information as the standard probe and has menu-driven access to many of the analyzer functions, allowing them to be easily initiated and/or changed at the probe.



## **TVA1000B Data Manager Accessory: Route Management Probe**

### **Powerful field capabilities**

The TVA1000B Data Manager allows users to modify or create route data in the field, eliminating the need for manual recording of data. This helps you comply with the electronic data storage requirements within most consent decrees. The probe has a highly visible 360 degree LED with a pulsed rate linked to concentration.

The DataManager provides access to all of the features previously available only through the sidepack. Users can also easily search and navigate between tags in a route by simply entering the desired tag identifier.

### **Flexibility and control**

The DataManager allows control of how data is viewed and accessed in the field. This allows the user to customize the view to best meet the monitoring needs at your facility, as each route may have different fields and screen displays. Fields may be designated as non-editable to enhance data integrity and database security.

An optional comment field allows the user to make electronic notes about each tag monitored. An alpha-numeric keypad makes data entry a snap.

### **Key Features for the DataManager**

- Custom field labels for more clearly identified route information
- Definable screen layouts optimize user efficiency
- Pick lists lead to consistent data entry and minimize chance of data entry errors
- One button selections to access most commonly used functions
- New sample probe provides 360 degree visual indicator of concentration level
- Cable management system eliminates snagging sample line and electronic cable
- Existing TVA1000 units may be upgraded
- Enhanced filtering system removes dirt and water more efficiently.



Analyzer bag protects TVA1000 and may be used with standard shoulder strap or optional framed backpack

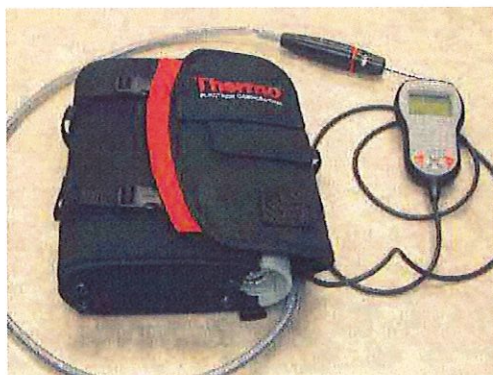
### **ThermoConnect Software**

ThermoConnect enables users of the TVA1000B to transfer, display, analyze, and configure data from the instrument using a computer. ThermoConnect is Windows® based and facilitates the importing of data into other Windows® based applications making it easier to retrieve logged data.

### **Added capability to maximize the TVA DataManager's features**

ThermoConnect has been updated with a powerful new utility to create new route database template files. This utility allows you to easily build your own route database and design the screen appearance through a four-step process. Also, any existing route files in the old file format are still recognized by the TVA and may be upgraded to the new format.

Windows® is a registered trademark of Microsoft Corporation.



Complete DataManager System

## **Applications**

### **Fugitive Emissions Monitoring**

The unique dual detector FID/PID design can handle a wide range of compound vapors present at processing plants. The TVA1000B permits monitoring at lower ppm levels.

### **Emergency Response**

For reliable measurements of hazardous spills or emissions, the TVA1000B responds quickly in an emergency. The ability to quickly detect the presence of "hot spots" is key to locating the source of the hazard.

### **Hazardous Waste Site Evaluation**

The TVA1000B allows quick and easy identification of the hazard location and quantifies the level of contamination.

### **Underground Storage Tanks**

The TVA1000B is a primary tool for determining if a UST is leaking and the extent of the contamination.

### **Industrial Hygiene**

The TVA1000B can help you maximize the effectiveness of your plant ventilation system, and identifies trouble spots. Use it to survey ambient vapor levels in specific breathing zones or in general plant environments, and log for further follow-up action.

### **Natural Gas Leak Detection**

The TVA1000B enables quick and easy detection of natural gas leaks.

The Thermo Scientific **TVA1000B** is a benchmark for experience and reliability in Fugitive Emissions Monitoring

## Thermo Scientific TVA1000B Specifications

<b>Safety certifications</b>	FM (Class 1, Div. 1, Groups A,B,C&D Hazardous Location, Temp. Class T4)
<b>Datalogging</b>	Onboard
<b>Readout</b>	Bar graph & 4- digit LCD
<b>Dynamic Range</b>	0.5-2,000 ppm (PID) isobutylene; 0.5-50,000 ppm (FID) methane
<b>Linear Range</b>	0.5-500 ppm (PID) isobutylene; 0.5-10,000 ppm (FID) methane
<b>Response Time</b>	3.5 seconds
<b>Minimum Detectable Limit</b>	100 ppb benzene (PID); 300 ppb hexane (FID) (laboratory conditions)
<b>Alarms</b>	Low, high, STEL
<b>Sample Flow Rate</b>	1,000 cc/min nominal
<b>Power</b>	Rechargeable NiCd Battery
<b>Logging Capacity</b>	900-18,000 points mode specific
<b>Temperature Range</b>	0-40°C (32°F - 104°F)
<b>Fuel</b>	None required (PID); 99.995% hydrogen (FID)
<b>Portable Operation Time</b>	8 hours (with reference operating conditions)
<b>Approximate Mass</b>	5.8 kg (13 pounds)
<b>Nominal Dimensions</b>	13.5 x 10.3 x 3.2 inches (343 x 262 x 81 mm)
<b>Analog Output</b>	0-2V dc (non-calibrated)
<b>Repeatability</b>	+/- 1% (PID); +/- 2% (FID)
<b>Autoranging</b>	Yes
<b>Diagnostics</b>	Yes
<b>Other Available Options:</b>	
Carrying Case	P/N CR012XL
Charcoal Filter	P/N 510095-1
FID Calibration Kit	P/N CR009UY
PID/FID Calibration Kit	P/N CR012UH

Thermo Scientific products represent a broad range of high-end analytical instruments, chemistry and consumable supplies, laboratory equipment, software and services that enable integrated laboratory workflow solutions. Thermo Scientific is the new name for a trusted brand – Thermo Electron – that the world's most renowned researchers, clinicians and scientists already count on to solve their analytical challenges. The brand is strengthened by the additions equipment, consumables and reagents acquired from Fisher Scientific.



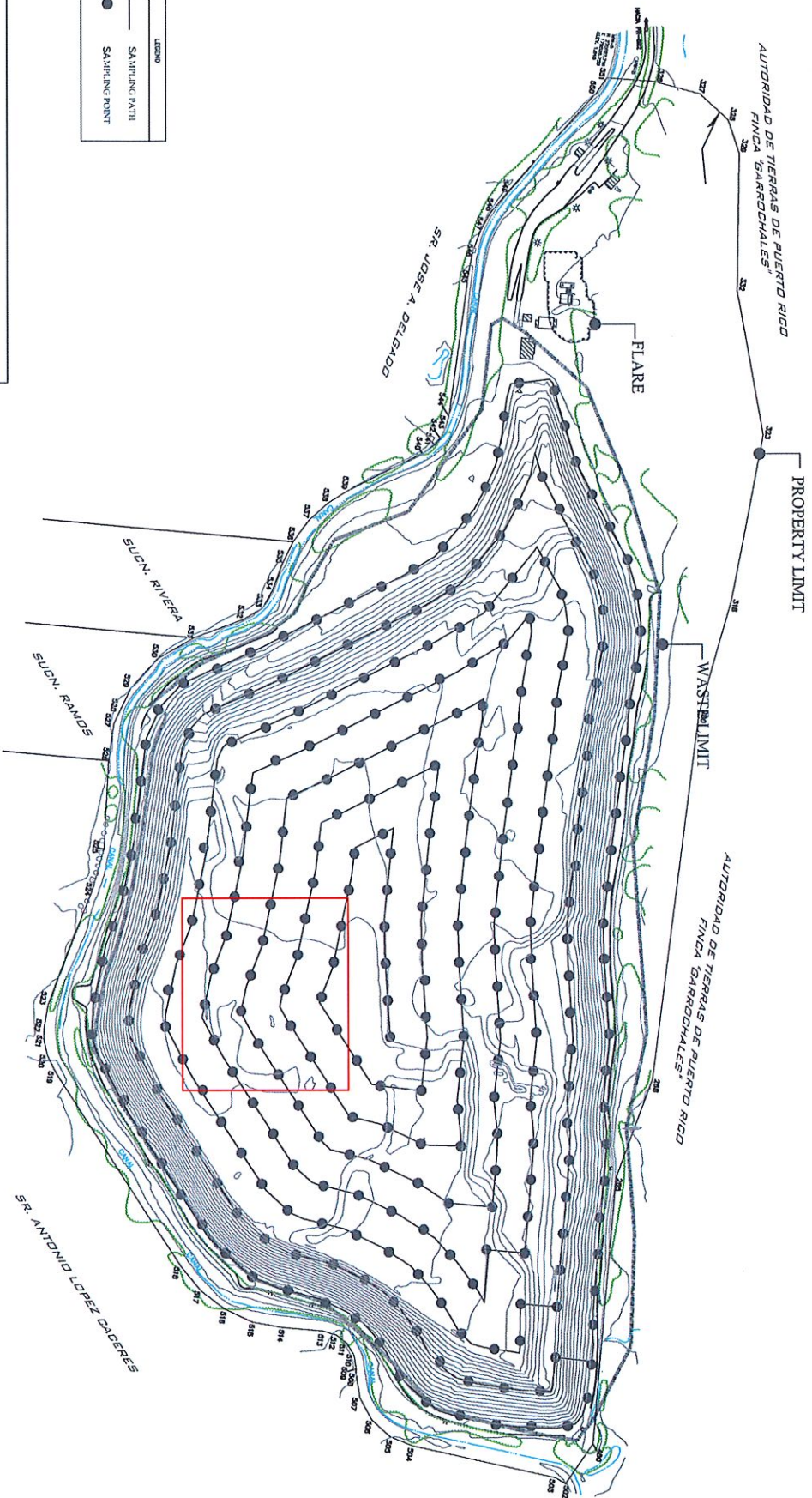
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## **APPENDIX B**

Sampling Points Locations from Arecibo Municipal Landfill



LEGEND
SAMPLING PATH
SAMPLING POINT

NOTES:  
 1. ELEVATION POINTS ARE BASED ON THE 1988 DATUM.  
 2. ELEVATION POINTS ARE BASED ON THE 1988 DATUM.  
 3. ELEVATION POINTS ARE BASED ON THE 1988 DATUM.  
 4. ELEVATION POINTS ARE BASED ON THE 1988 DATUM.

REVISION	DATE	BY	APP
ARECIBO MUNICIPAL SOLID WASTE LANDFILL ARECIBO, P.R.			
SURFACE EMISSIONS MONITORING SAMPLING PATH			
DRAWING S-100 SCALE DATE: 01/2010			



LANDFILL TECHNOLOGIES OF ARECIBO, LLC

## **APPENDIX C**

### Surface Emission Readings

LANDFILL TECHNOLOGIES OF ARECIBO LLC  
SURFACE EMISSION MONITORING – ARECIBO LANDFILL  
JUNE 2020

DATE	TAG	DET	CONCENTRATION	CONCENTRATION UNITS
25-Jun-20	UPWIND	FID	11.48	PPM
25-Jun-20	DOWNWIND	FID	6.79	PPM
25-Jun-20	POINT1	FID	8.96	PPM
25-Jun-20	POINT2	FID	50.74	PPM
25-Jun-20	POINT3	FID	37.61	PPM
25-Jun-20	POINT4	FID	57.65	PPM
25-Jun-20	POINT5	FID	39.08	PPM
25-Jun-20	POINT6	FID	10.4	PPM
25-Jun-20	POINT7	FID	4.78	PPM
25-Jun-20	POINT8	FID	6	PPM
25-Jun-20	POINT9	FID	4.83	PPM
25-Jun-20	POINT10	FID	6.28	PPM
25-Jun-20	POINT11	FID	9.71	PPM
25-Jun-20	POINT12	FID	9.25	PPM
25-Jun-20	POINT13	FID	7.19	PPM
25-Jun-20	POINT14	FID	8	PPM
25-Jun-20	POINT15	FID	7.29	PPM
25-Jun-20	POINT16	FID	4.57	PPM
25-Jun-20	POINT17	FID	6.37	PPM
25-Jun-20	POINT18	FID	4.12	PPM
25-Jun-20	POINT19	FID	4.01	PPM
25-Jun-20	POINT20	FID	5.29	PPM
25-Jun-20	POINT21	FID	116	PPM
25-Jun-20	POINT22	FID	55.92	PPM
25-Jun-20	POINT23	FID	53.62	PPM
25-Jun-20	POINT24	FID	4.87	PPM
25-Jun-20	POINT25	FID	4.23	PPM
25-Jun-20	POINT26	FID	3.25	PPM
25-Jun-20	POINT27	FID	2.95	PPM
25-Jun-20	POINT28	FID	2.67	PPM
25-Jun-20	POINT29	FID	2.62	PPM
25-Jun-20	POINT30	FID	2.57	PPM
25-Jun-20	POINT31	FID	4.09	PPM
25-Jun-20	POINT32	FID	7.41	PPM
25-Jun-20	POINT33	FID	11.72	PPM
25-Jun-20	POINT34	FID	6.71	PPM
25-Jun-20	POINT35	FID	6.64	PPM
25-Jun-20	POINT36	FID	4.39	PPM
25-Jun-20	POINT37	FID	5.32	PPM
25-Jun-20	POINT38	FID	6.26	PPM
25-Jun-20	POINT39	FID	6.2	PPM
25-Jun-20	POINT40	FID	4.88	PPM
25-Jun-20	POINT41	FID	4.37	PPM
25-Jun-20	POINT42	FID	2.77	PPM

LANDFILL TECHNOLOGIES OF ARECIBO LLC  
SURFACE EMISSION MONITORING – ARECIBO LANDFILL  
JUNE 2020

DATE	TAG	DET	CONCENTRATION	CONCENTRATION UNITS
25-Jun-20	POINT43	FID	3.89	PPM
25-Jun-20	POINT44	FID	3.59	PPM
25-Jun-20	POINT45	FID	3.81	PPM
25-Jun-20	POINT46	FID	3.06	PPM
25-Jun-20	POINT47	FID	3.85	PPM
25-Jun-20	POINT48	FID	3.84	PPM
25-Jun-20	POINT49	FID	3.47	PPM
25-Jun-20	POINT50	FID	5.15	PPM
25-Jun-20	POINT51	FID	10.17	PPM
25-Jun-20	POINT52	FID	7.13	PPM
25-Jun-20	POINT53	FID	7.65	PPM
25-Jun-20	POINT54	FID	7.42	PPM
25-Jun-20	POINT55	FID	8.28	PPM
25-Jun-20	POINT56	FID	7.93	PPM
25-Jun-20	POINT57	FID	7.88	PPM
25-Jun-20	POINT58	FID	6.6	PPM
25-Jun-20	POINT59	FID	4.23	PPM
25-Jun-20	POINT60	FID	7.22	PPM
25-Jun-20	POINT61	FID	7.26	PPM
25-Jun-20	POINT62	FID	5.29	PPM
25-Jun-20	POINT63	FID	40.8	PPM
25-Jun-20	POINT64	FID	4.39	PPM
25-Jun-20	POINT65	FID	2.25	PPM
25-Jun-20	POINT66	FID	2.37	PPM
25-Jun-20	POINT67	FID	3.17	PPM
25-Jun-20	POINT68	FID	3.53	PPM
25-Jun-20	POINT69	FID	2.69	PPM
25-Jun-20	POINT70	FID	2.86	PPM
25-Jun-20	POINT71	FID	2.8	PPM
25-Jun-20	POINT72	FID	2.67	PPM
25-Jun-20	POINT73	FID	2.78	PPM
25-Jun-20	POINT74	FID	2.73	PPM
25-Jun-20	POINT75	FID	2.69	PPM
25-Jun-20	POINT76	FID	2.9	PPM
25-Jun-20	POINT77	FID	2.91	PPM
25-Jun-20	POINT78	FID	2.9	PPM
25-Jun-20	POINT79	FID	3.49	PPM
25-Jun-20	POINT80	FID	3.69	PPM
25-Jun-20	POINT81	FID	3.09	PPM
25-Jun-20	POINT82	FID	3.38	PPM
25-Jun-20	POINT83	FID	3.34	PPM
25-Jun-20	POINT84	FID	3.24	PPM
25-Jun-20	POINT85	FID	3.25	PPM
25-Jun-20	POINT86	FID	3.38	PPM

LANDFILL TECHNOLOGIES OF ARECIBO LLC  
SURFACE EMISSION MONITORING – ARECIBO LANDFILL  
JUNE 2020

DATE	TAG	DET	CONCENTRATION	CONCENTRATION UNITS
25-Jun-20	POINT87	FID	3.32	PPM
25-Jun-20	POINT88	FID	2.46	PPM
25-Jun-20	POINT89	FID	3.2	PPM
25-Jun-20	POINT90	FID	3.15	PPM
25-Jun-20	POINT91	FID	3.82	PPM
25-Jun-20	POINT92	FID	3.65	PPM
25-Jun-20	POINT93	FID	3.37	PPM
25-Jun-20	POINT94	FID	2.92	PPM
25-Jun-20	POINT95	FID	7.64	PPM
25-Jun-20	POINT96	FID	7.02	PPM
25-Jun-20	POINT97	FID	7.08	PPM
25-Jun-20	POINT98	FID	6.89	PPM
25-Jun-20	POINT99	FID	8.4	PPM
25-Jun-20	POINT100	FID	7.98	PPM
25-Jun-20	POINT101	FID	7.98	PPM
25-Jun-20	POINT102	FID	8.62	PPM
25-Jun-20	POINT103	FID	9.65	PPM
25-Jun-20	POINT104	FID	9.08	PPM
25-Jun-20	POINT105	FID	12.55	PPM
25-Jun-20	POINT106	FID	16.29	PPM
25-Jun-20	POINT107	FID	21.28	PPM
25-Jun-20	POINT108	FID	25.88	PPM
25-Jun-20	POINT109	FID	34.85	PPM
25-Jun-20	POINT110	FID	40.34	PPM
25-Jun-20	POINT111	FID	39.77	PPM
25-Jun-20	POINT112	FID	38.91	PPM
25-Jun-20	POINT113	FID	19.61	PPM
25-Jun-20	POINT114	FID	21.39	PPM
25-Jun-20	POINT115	FID	20.45	PPM
25-Jun-20	POINT116	FID	16.19	PPM
25-Jun-20	POINT117	FID	17.4	PPM
25-Jun-20	POINT118	FID	13.3	PPM
26-Jun-20	POINT119	FID	25.72	PPM
26-Jun-20	POINT120	FID	37.81	PPM
26-Jun-20	POINT121	FID	42.01	PPM
26-Jun-20	POINT122	FID	175	PPM
26-Jun-20	POINT123	FID	92.33	PPM
26-Jun-20	POINT124	FID	307	PPM
26-Jun-20	POINT125	FID	169	PPM
26-Jun-20	POINT126	FID	152	PPM
26-Jun-20	POINT127	FID	32.79	PPM
26-Jun-20	POINT128	FID	31.4	PPM
26-Jun-20	POINT129	FID	33.55	PPM
26-Jun-20	POINT130	FID	23.41	PPM

LANDFILL TECHNOLOGIES OF ARECIBO LLC  
SURFACE EMISSION MONITORING – ARECIBO LANDFILL  
JUNE 2020

DATE	TAG	DET	CONCENTRATION	CONCENTRATION UNITS
26-Jun-20	POINT131	FID	26.59	PPM
26-Jun-20	POINT132	FID	50.35	PPM